ELSEVIER

General Subjects

Vol. 1291, 1996

BIOCHIMICA ET BIOPHYSICA ACTA
BBA

Cumulative Contents

Information for Contributors vii

Rapid report

Evidence for separate serotonin and catecholamine compartments in human platelets
C.C.T. Smith (UK) 1

Regular papers

Determination of enzymatic hydrolysis specificity of partially *N*-acetylated chitosans
K.M. Vårum, H.K. Holme, M. Izume, B.T. Stokke and O. Smidsrød (Norway, Japan) 5

Adult-male-specific *S*-warfarin (11S-OH) and progesterone (20β-OH) keto-reductases in rat hepatic microsomes are not identical
D. Apanovitch and F.G. Walz Jr. (USA) 16

Targeting of mouse erythrocytes by band 3 crosslinkers
J.A. Jordán, J.R. DeLoach, J. Luque and J.C. Díez (Spain, USA) 27

Intranuclear distribution of 2,2′,4,4′,5,5′-hexachlorobiphenyl and 2,3,7,8,-tetrachlorodibenzo-*p*-dioxin
E. Glitz and K. Buff (Germany) 35

Purification and characterization of a lectin from the toxic mushroom *Amanita pantherina*
C. Zhuang, T. Murata, T. Usui, H. Kawagishi and K. Kobayashi (Japan) 40

Ethanol consumption alters trafficking of lysosomal enzymes and affects the processing of procathepsin L in rat liver
K.K. Kharbanda, D.L. McVicker, R.K. Zetterman and T.M. Donohue Jr. (USA) 45

The effects of iron loading and iron deficiency on the tissue uptake of ^{64}Cu during development in the rat
A. Crowe and E.H. Morgan (Australia) 53

Differential effects of neuroleptic agents on hepatic cytochrome *P*-450 isozymes in the male rat
A. Rane, Z. Liu, R. Levol, C. Bjelfman, C. Thyr, H. Ericson, T. Hansson, C. Henderson and C.R. Wolf (Sweden, UK) 60

Posttranslational regulation of nitrogenase activity by fixed nitrogen in *Azotobacter chroococcum*
M.C. Muñoz-Centeno, M.T. Ruiz, A. Paneque and F.J. Cejudo (Spain) 67

5-*S*-Cysteinyldopa, a diffusible product of melanocyte activity, is an efficient inhibitor of hydroxylation/oxidation reactions induced by the Fenton system
A. Napolitano, S. Memoli, A.J. Nappi, M. D'Ischia and G. Prota (Italy, USA) 75

The effects of phosphate- and substrate-free incubation conditions on glycolysis in Ehrlich ascites tumour cells
A.R. Grivell and M.N. Berry (Australia) 83

Common reabsorption system of 1,5-anhydro-D-glucitol, fructose, and mannose in rat renal tubule
T. Yamanouchi, T. Shinohara, N. Ogata, Y. Tachibana, I. Akaoka and H. Miyashita (Japan) 89

Information for Contributors v

Regular papers

Carbohydrate metabolism in human platelets in a low glucose medium under aerobic conditions
X. Niu, P. Arthur, L. Abas, M. Whisson and M. Guppy (Australia) 97

Effect of peroxynitrite on erythrocytes
M. Soszyński and G. Bartosz (Poland) 107

The effects of temperature, pH, and magnesium on the diffusion coefficient of ATP in solutions of physiological ionic strength
M.J. Hubley, B.R. Locke and T.S. Moerland (USA) 115

Dynamics and morphology of the in vitro polymeric form of elongation factor Tu from *Escherichia coli*
M.K. Helms, G. Marriott, W.H. Sawyer and D.M. Jameson (USA, Germany, Australia) 122

Isolation and characterization of *N*-acetyl-*S*-[2-carboxy-1-(1*H*-imidazol-4-yl)ethyl]-L-cysteine, a new metabolite of histidine, from normal human urine and its formation from *S*-[2-carboxy-1-(1*H*-imidazol-4-yl)ethyl]-L-cysteine
M. Kinuta, K. Sasaki, H. Shimizu and T. Ubuka (Japan) 131

Do physiological concentrations of IgG induce a direct aggregation of red blood cells: comparison with fibrinogen
L. Game, J.-C. Voegel, P. Schaaf and J.-F. Stoltz (France) 138

^{31}P-Magnetic resonance spectroscopy studies of nucleated and non-nucleated erythrocytes; time domain data analysis (VARPRO) incorporating prior knowledge can give information on the binding of ADP
M. Stubbs, A. Van den Boogaart, C.L. Bashford, P.M.C. Miranda, L.M. Rodrigues, F.A. Howe and J.R. Griffiths (UK) 143

Encapsulation, metabolism and release of 2-fluoro-ara-AMP from human erythrocytes
A. Fraternale, L. Rossi and M. Magnani (Italy) 149

Tobacco budworm P-glycoprotein: biochemical characterization and its involvement in pesticide resistance
C.L. Lanning, R.L. Fine, J.J. Corcoran, H.M. Ayad, R.L. Rose and M.B. Abou-Donia (USA) 155

Effects of oxygen on metabolic and secretory activities of βTC3 cells
K.K. Papas, R.C. Long Jr., I. Constantinidis and A. Sambanis (USA) 163

Synergistic activation of protein kinase C by arachidonic acid and diacylglycerols in vitro: generation of a stable membrane-bound, cofactor-independent state of protein kinase C activity
J.B. Schachter, D.S. Lester and D.L. Alkon (USA) 167

Information for Contributors v

Short sequence-paper

Cloning and sequencing of a cluster of genes encoding novel enzymes of trehalose biosynthesis from thermophilic archaebacterium *Sulfolobus acidocaldarius*
K. Maruta, H. Mitsuzumi, T. Nakada, M. Kubota, H. Chaen, S. Fukuda, T. Sugimoto and M. Kurimoto (Japan) 177

Regular papers

Purification and characterization of a 4-hydroxynonenal metabolizing glutathione *S*-transferase isozyme from bovine pulmonary microvessel endothelial cells
N.-G. He, S.S. Singhal, M. Chaubey, S. Awasthi, P. Zimniak, C.A. Partridge and Y.C. Awasthi (USA) 182

Natural and synthetic betaines counter the effects of high NaCl and urea concentrations
K. Randall, M. Lever, B.A. Peddie and S.T. Chambers (New Zealand) 189

Dimerization of an antigenic peptide leads to strong interaction with its antibody
P.A. Jekel, F.G. Perton and J.J. Beintema (The Netherlands) 195

Characterization of trehalase activities from the thermophilic fungus *Scytalidium thermophilum*
M. Kimiko Kadowaki, M.L.T.M. Polizeli, H.F. Terenzi and J.A. Jorge (Brazil) 199

The retention mechanism of cell wall proteins in *Saccharomyces cerevisiae*. Wall-bound Cwp2p is β-1,6-glucosylated
J.M. Van der Vaart, F.S. Van Schagen, A.T.A. Mooren, J.W. Chapman, F.M. Klis and C.T. Verrips (The Netherlands) 206

Motions of tryptophan residues in asialylated human α_1-acid glycoprotein
J.R. Albani (France) 215

The chloroplast envelope is permeable for maltose but not for maltodextrins
S. Rost, C. Frank and E. Beck (Germany) 221

Multiple retinoids alter liver bile salt-independent retinyl ester hydrolase activity, serum vitamin A and serum retinol-binding protein of rats
S.J. Ritter and J.E. Smith (USA) 228

Comparative studies of the fate of free and liposome-entrapped hydroxypropyl-β-cyclodextrin/drug complexes after intravenous injection into rats: implications in drug delivery
B. McCormack and G. Gregoriadis (UK) 237

Effect of in vivo iron supplementation on oxygen radical production by soybean roots
A. Caro and S. Puntarulo (Argentina) 245

Errata

Erratum to 'Cloning and functional analysis of the *pmmA* gene encoding phosphomannomutase from the photosynthetic prokaryote *Prochlorothrix hollandica*' [Biochim. Biophys. Acta 1290 (1996) 210–214]
K. Dwivedi, A.F. Post and G.S. Bullerjahn 252

Erratum to 'Purification and identification of allergenic α_{2u}-globulin species of rat urine' [Biochim. Biophys. Acta 1290 (1996) 129–134]
C. Bayard, L. Holmquist and O. Vesterberg (Sweden) 253

Cumulative contents, Vol. 1291 257

Author index 259